

Claims

1. A grease composition comprising:

5 a base oil having a dynamic viscosity at 40°C of
20 to 50 mm²/s;

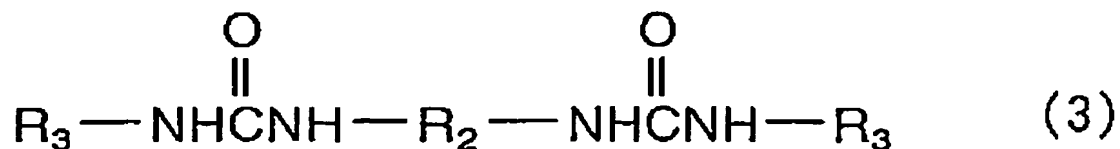
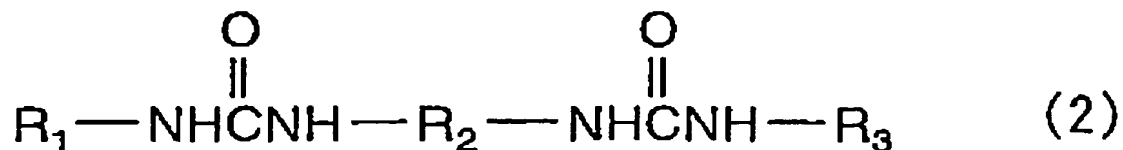
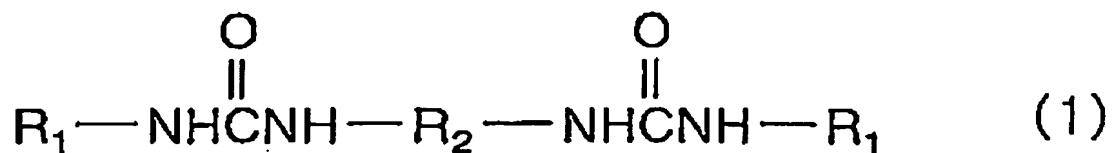
a urea compound as a thickening agent in an
amount of 8 to 30% by weight with respect to total weight
of the grease;

10 at least one antirust additive selected from
carboxylic acids, carboxylate salts, and ester-based
antirust additives in an amount of 0.1 to 10% by weight
per single additive with respect to total weight of the
grease and in an amount of 0.1 to 15% by weight in total
of the additive with respect to total weight of the
15 grease.

2. The grease composition according to claim 1,
wherein the antirust additive is at least one selected
from naphthenate salts and succinic acid derivatives.

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3. The grease composition according to claim 1
or 2, wherein the thickening agent is a mixture of diurea
compounds represented by the following general formulae
(1) to (3):



wherein R_1 is a cyclohexyl group or an
 5 alkylcyclohexyl group having 7 to 12 carbon atoms,
 R_2 is a divalent aromatic ring-containing
 hydrocarbon group having 6 to 15 carbon atoms, and
 R_3 is an alkyl group having 8 to 20 carbon atoms,
 wherein a ratio of [number of moles of R_1 /(number
 10 of moles of R_1 + number of moles of R_3)] is from 0.1 to
 1.0.

4. The grease composition according to any one
 of claims 1 to 3, wherein the grease composition further
 15 comprising at least one selected from organometallic
 salts and ashless dithiocarbamates in amount of 0.1 to 10

by weight with respect to total weight of the grease.

5. A rolling device into which the grease
composition according to any one of claims 1 to 4 is
5 charged.